IN THE CLAIMS

Please cancel claims 1, 3-11, 25, 29-32 and 35-39.

Please amend the claims as follows.

1-11. (Cancelled)

12. (Previously Presented) A computer system comprising:

at least one processor;

a memory coupled to the at least one processor;

a first operating system residing in the memory, the first operating system owning a shared resource;

a second operating system residing in the memory, the second operating system using the shared resource;

the first operating system comprising a pause/resume mechanism that sends a pause message to the second operating system when the first operating system needs to be restarted, that receives a pause complete message from the second operating system to indicate the second operating system has completed pending accesses to the shared resource, that sends a disconnect message to the second operating system before the first operating system is restarted, that sends a connect message to the second operating system after the first operating system is restarted to inform the second operating system that the first operating system has been restarted, and that sends a resume message to the second operating system after the first operating system is restarted to indicate to the second operating system that the first operating system is ready to resume sharing the shared resource with the second operating system.

13-39 (Cancelled)

2

40. (Currently Amended) A computer readable program product comprising:

    (A) <u>a first operating system comprising:</u>

        a pause/resume mechanism that sends a pause message to a second operating system when [a] <u>the</u> first operating system needs to be restarted, that receives a pause complete message from the second operating system to indicate the second operating system has completed pending accesses to a shared resource, that sends a disconnect message to the second operating system before the first operating system is restarted, that sends a connect message to the second operating system after the first operating system is restarted to inform the second operating system that the first operating system has been restarted, and that sends a resume message to the second operating system after the first operating system is restarted to indicate to the second operating system that the first operating system is ready to resume sharing the shared resource with the second operating system; and

    (B) recordable media ~~bearing~~ <u>storing</u> the ~~pause/resume mechanism~~ <u>operating system</u>.

41-42 (Cancelled)

43. (Previously Presented) A computer system comprising:

at least one processor;

a memory coupled to the at least one processor;

a first operating system residing in the memory, the first operating system owning a shared resource;

a second operating system residing in the memory, the second operating system using the shared resource; and

a pause/resume mechanism residing in the memory, the pause/resume mechanism sending a pause message to the second operating system when the first operating system needs to be restarted, the pause/resume mechanism receiving a pause complete message from the second operating system to indicate the second operating system has completed pending accesses to the shared resource, the pause/resume mechanism disconnecting the first operating system from the second operating system before the first operating system is restarted, the pause/resume mechanism reconnecting the first operating system and the second operating system after the first operating system is restarted, the pause/resume mechanism sending a resume message to the second operating system after the first operating system is restarted wherein the resume message indicates that the first operating system is ready to resume sharing the shared resource with the second operating system.

44. (Currently Amended) A computer readable program product comprising:

(A) a pause/resume mechanism that sends a pause message to ~~the~~ a second operating system when ~~the~~ a first operating system needs to be restarted, the pause/resume mechanism receiving a pause complete message from the second operating system to indicate the second operating system has completed pending accesses to the shared resource, the pause/resume mechanism disconnecting the first operating system from the second operating system before the first operating system is restarted, the pause/resume mechanism reconnecting the first operating system and the second operating system after the first operating system is restarted, the pause/resume mechanism sending a resume message to the second operating system after the first operating system is restarted wherein the resume message indicates that the first operating system is ready to resume sharing the shared resource with the second operating system; and

(B) recordable media ~~bearing~~ storing the pause/resume mechanism.

STATUS OF THE CLAIMS

Claims 1-42 were originally filed in this patent application. In response to the first office action dated 05/16/2007, an amendment was filed on 08/16/2007 that cancelled claims 26-27, 33-34, and 41-42 and amended claims 6, 9, 12, 25, 32, and 40. In response to the second office action dated 11/02/2007, claims 2, 14, and 28 were cancelled and claims 1, 13, and 25 were amended. In response to the third office action dated 05/23/2008, an amendment was filed on 07/07/2008 that cancelled claims 13 and 15-24, amended claims 32 and 40, and added claims 43-44. In the pending non-final office action dated 10/15/2008, claims 1, 3-5, 7, 25, 29-31 and 35 were rejected under 35 U.S.C. §112, second paragraph. Claims 25, 29-32, 35-40 and 44 were rejected under 35 U.S.C. §101 as being directed to non-statutory subject matter. Claims 1, 5-8, 11, 25, 31-32, 35-36 and 39 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,226,694 to Constant *et al.* (hereinafter "Constant") in view of Applicant Admitted Prior Art (AAPA). Claims 3-4, 9-10, 29-30, 37-38, 40 and 43-44 were rejected under 35 U.S.C. §103(a) as being unpatentable over Constant in view of AAPA and further in view of U.S. Patent No. 5,483,647 to Yu *et al.* (hereinafter "Yu"). No claim was allowed. In this amendment, claims 1, 3-11, 25, 29-32 and 35-39 have been cancelled, and claims 40 and 44 have been amended. Claims 12, 40 and 43-44 are currently pending.